



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D119-646-314
Job Sheet 172579



Part No: D119-646-314

Job Qty: 1 ea

Part Name: Skidtube Protector, RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/20/18

Job Tracking No:

Due Date: 3/5/18

Created By: Michelle Gagnon-Donovan

Type: SOLD

Description:

Note: DWG REV B IPP REV:A 15.12.10 NEW ISSUE DD VERF:JLM IPP REV:B 17.05.10 AS PER DSI9734 REV B DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start Up Operation	1 Ea		3/5/18	0.00	0.00	Start Up Stores/Pkg-1		
110	Packaging	1 pcs		3/5/18	0.00	0.00	Packaging1-1		
120	QC	1 pcs		3/5/18	0.00	0.00	QC4		SmB
125	DC	1 pcs		3/5/18	0.00	0.00	DC		
130	Packaging	1 pcs		3/5/18	0.00	0.00	Packaging3-1		DAS SmB
140	QC21-FG	1 Ea		3/5/18	0.00	0.00	QC21		21 FEB 26 2018

Part Op 125 - Photocopy bluefile & type labels per PPP D119-646-313 CHG001
Descriptions: 130 - Identify and pack for shipping as per PPP D119-646-313 Location:

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-45A	Bolt	4 Ea (4 ea)	90-Start up Operation	
AN3-47A	Bolt	6 Ea (6 ea)	90-Start up Operation	
AN3-50A	Bolt	6 Ea (6 ea)	90-Start up Operation	
D3904-1	Washer	6 Ea (6 ea)	90-Start up Operation	
D4506-3	Washer	6 Ea (6 ea)	90-Start up Operation	
D5369-2	Cable Guard	1 Ea (1 ea)	90-Start up Operation	
D5371-2	Hook	1 Ea (1 ea)	90-Start up Operation	
D5372-1	Plug	1 Ea (1 ea)	90-Start up Operation	
D5374-1	Bushing	6 Ea (6 ea)	90-Start up Operation	
D5374-3	Bushing	8 Ea (8 ea)	90-Start up Operation	
D5376-1	Drilling Tool	1 Ea (1 ea)	90-Start up Operation	
MS21042L3	Nut	10 Ea (10 ea)	90-Start up Operation	
NAS1149D0332J	Washer	18 Ea (18 ea)	90-Start up Operation	
NAS1149D0316J	Washer	4 Ea (4 ea)	90-Start up Operation	



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Container No: S044512



Part: D119-646-314

Job No: 172579

Serial No/Batch: S044512

Revision: DSI9734

Inspector:

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	AN3-45A	4	23	0
	AN3-47A	6	10	0
	AN3-50A	6	18	0
	D3904-1	6	75	0
	D4506-3	6	19	0
	D5369-2	1	5	0
	D5371-2	1	1	0
	D5372-1	1	1	0
	D5374-1	6	9	0
	D5374-3	8	16	0
	D5376-1	1	4	0
	MS21042L3	10	3,507	0
	NAS1149D0316J	4	861	0
	NAS1149D0332J	18	3,740	0
Part Specifications				
Specifications could not be found.				

Plex 2/20/18 4:13 PM Dart.Gagnon.Michelle



Dart Aerospace Ltd.
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Master Unit 001103

Tel (613) 632-5200

Containers on Master Unit 001103				
Serial No	Part No	Customer Part No	Status	Quantity
S044508	AN3-45A		Allocated	4
S044507	AN3-47A		Allocated	6
Fm138003-73	AN3-50A		Allocated	4
S044506	AN3-50A		Allocated	2
S044505	D3904-1		Allocated	6
F164063	D4506-3		Allocated	3
S044504	D4506-3		Allocated	3
S044503	D5369-2		Allocated	1
F163584	D5371-2		Allocated	1
F163586	D5372-1		Allocated	1
S044501	D5374-1		Allocated	6
S044500	D5374-3		Allocated	8
S044498	D5376-1		Allocated	1
S044496	MS21042L3	MS21042L3	Allocated	6
S044495	NAS1149D0316J		Allocated	4
S044494	NAS1149D0332J	NAS1149D0332J	Allocated	18

REFERENCE ONLY

10.0 PARTS LIST:

Qty. -313	Qty. -314	PART NUMBER	DESCRIPTION
X		D119-646-313	SKIDTUBE PROTECTOR, LH
	X	D119-646-314	SKIDTUBE PROTECTOR, RH
6	6	D3904-1	WASHER
6	6	D4506-3	WASHER
1		D5369-1	CABLE GUARD, LH
	1	D5369-2	CABLE GUARD, RH
1		D5371-1	HOOK, LH
	1	D5371-2	HOOK, RH
1	1	D5372-1	PLUG
6	6	D5374-1	BUSHING
8	8	D5374-3	BUSHING
1	1	D5376-1	DRILLING JIG
4	4	AN3-45A	BOLT
6	6	AN3-47A	BOLT
6	6	AN3-50A	BOLT
18	18	NAS1149D0332J	WASHER
4	4	NAS1149D0316J	WASHER
10	10	MS21042L3	NUT

11.0 WEIGHT AND BALANCE

The following weight and balance changes are applicable:

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-313 SKIDTUBE PROTECTOR, LH ON STANDARD SKIDTUBE	4.3 lb 1.95 kg	108.1 in 4.3 m	465 in-lb 8.4 kg-m	-43.4 in 1.7 m	-187 in-lb -3.3 kg-m
D119-646-314 SKIDTUBE PROTECTOR, RH ON STANDARD SKIDTUBE	4.3 lb 1.95 kg	108.1 in 4.30 m	465 in-lb 8.4 kg-m	43.4 in 1.7 m	187 in-lb 3.3 kg-m
D119-646-313 SKIDTUBE PROTECTOR, LH ON FLOAT SKIDTUBE	1.6 lb 0.72 kg	133.3 in 3.38 m	213 in-lb 2.4 kg-m	-43.4 in -1.7 in	69 in-lb 1.2 kg-in
D119-646-314 SKIDTUBE PROTECTOR, RH ON FLOAT SKIDTUBE	1.6 lb 0.72 kg	133.3 in 3.38 m	213 in-lb 2.4 kg-m	43.4 in 1.7 in	69 in-lb 1.2 kg-in



APPROVED

DESIGN	RF	DART AEROSPACE USA, INC. EUGENE, OR	
DRAWN	VS		
CHECKED	MB	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9734	SHEET 8 OF 15
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	SKIDTUBE PROTECTOR KIT	NTS
DATE	17.06.27	COPYRIGHT © 2015 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

Change Record

PAGE 1 OF 1

Part Number: D119-646-313/-314

Description: SKIDTUBE PROTECTOR, LH/RH

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					